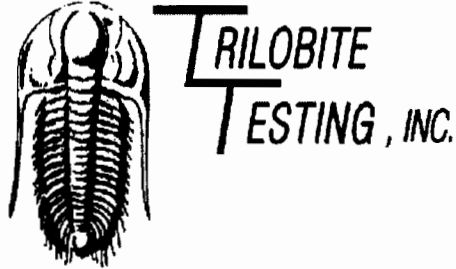


15-065-23088

13-10s-23w



DRILL STEM TEST REPORT

Prepared For: **Russell Oil Co**

Po Bx 1469
Plainfield IL 60544

ATTN: Todd Morgenstern

13-10-23-Graham

Aymx 1-13

Start Date: 2005.09.06 @ 11:31:06

End Date: 2005.09.06 @ 17:41:06

Job Ticket #: 23676 DST #: 1

15-065-23088-00-00

Russell Oil Co

Aymx 1-13

13-10-23-Graham

DST # 1

L.Kc

2005.09.06

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

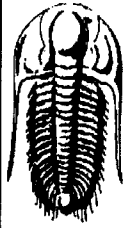
ph: 785-625-4778 fax: 785-625-5620

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KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil Co
Po Bx 1469
Plainfield IL 60544

Aymx 1-13

13-10-23-Graham

Job Ticket: 23676

DST#: 1

ATTN: Todd Morgenstern

Test Start: 2005.09.06 @ 11:31:06

GENERAL INFORMATION:

Formation: **L,Kc**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 13:16:21

Time Test Ended: 17:41:06

Test Type: **Conventional Bottom Hole**

Tester: **Joe Ramsey**

Unit No: **13**

Interval: **3723.00 ft (KB) To 3753.00 ft (KB) (TVD)**

Total Depth: **3753.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Fair**

Reference Elevations: **2358.00 ft (KB)**

2353.00 ft (CF)

KB to GRVCF: **5.00 ft**

Serial #: 6751

Inside

Press@RunDepth: **168.79 psig @ 3725.00 ft (KB)**

Start Date: **2005.09.06**

End Date:

2005.09.06

Capacity: **7000.00 psig**

Last Calib.: **2005.09.06**

Start Time: **11:31:08**

End Time:

17:41:06

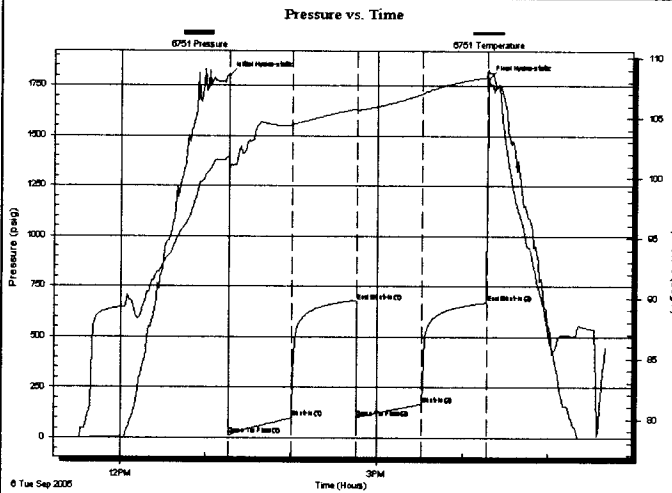
Time On Btm: **2005.09.06 @ 13:16:06**

Time Off Btm: **2005.09.06 @ 16:17:36**

TEST COMMENT: **F-Fair Blow Built to 7" in**
FF-Fair Blow Built to 5" in

ISI-No Blow

FSI-No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1797.43	101.76	Initial Hydro-static
1	15.27	100.70	Open To Flow (1)
45	101.03	104.44	Shut-In(1)
89	676.72	105.78	End Shut-In(1)
90	102.13	105.64	Open To Flow (2)
136	168.79	107.05	Shut-In(2)
181	670.15	108.42	End Shut-In(2)
182	1783.07	109.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Oil Cut Watery Mud	0.01
310.00	Muddy Water	1.52

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Co

Aymx 1-13

Po Bx 1469
Plainfield IL 60544

13-10-23-Graham

Job Ticket: 23676

DST#: 1

ATTN: Todd Morgenstern

Test Start: 2005.09.06 @ 11:31:06

Tool Information

Drill Pipe:	Length: 3346.00 ft	Diameter: 3.80 inches	Volume: 46.94 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 377.00 ft	Diameter: 2.25 inches	Volume: 1.85 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 48.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3723.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3708.00	
Hydraulic tool	5.00			3713.00	
Packer	5.00			3718.00	20.00 Bottom Of Top Packer
Packer	5.00			3723.00	
Stubb	1.00			3724.00	
Perforations	1.00			3725.00	
Recorder	0.00	6751	Inside	3725.00	
Perforations	25.00			3750.00	
Recorder	0.00	13548	Inside	3750.00	
Bullnose	3.00			3753.00	30.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Co

Aymx 1-13

Po Bx 1469
Plainfield IL 60544

13-10-23-Graham

Job Ticket: 23676

DST#: 1

ATTN: Todd Morgenstern

Test Start: 2005.09.06 @ 11:31:06

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

35000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Oil Cut Watery Mud	0.015
310.00	Muddy Water	1.525

Total Length: 313.00 ft Total Volume: 1.540 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .15@94

Serial #: 6751

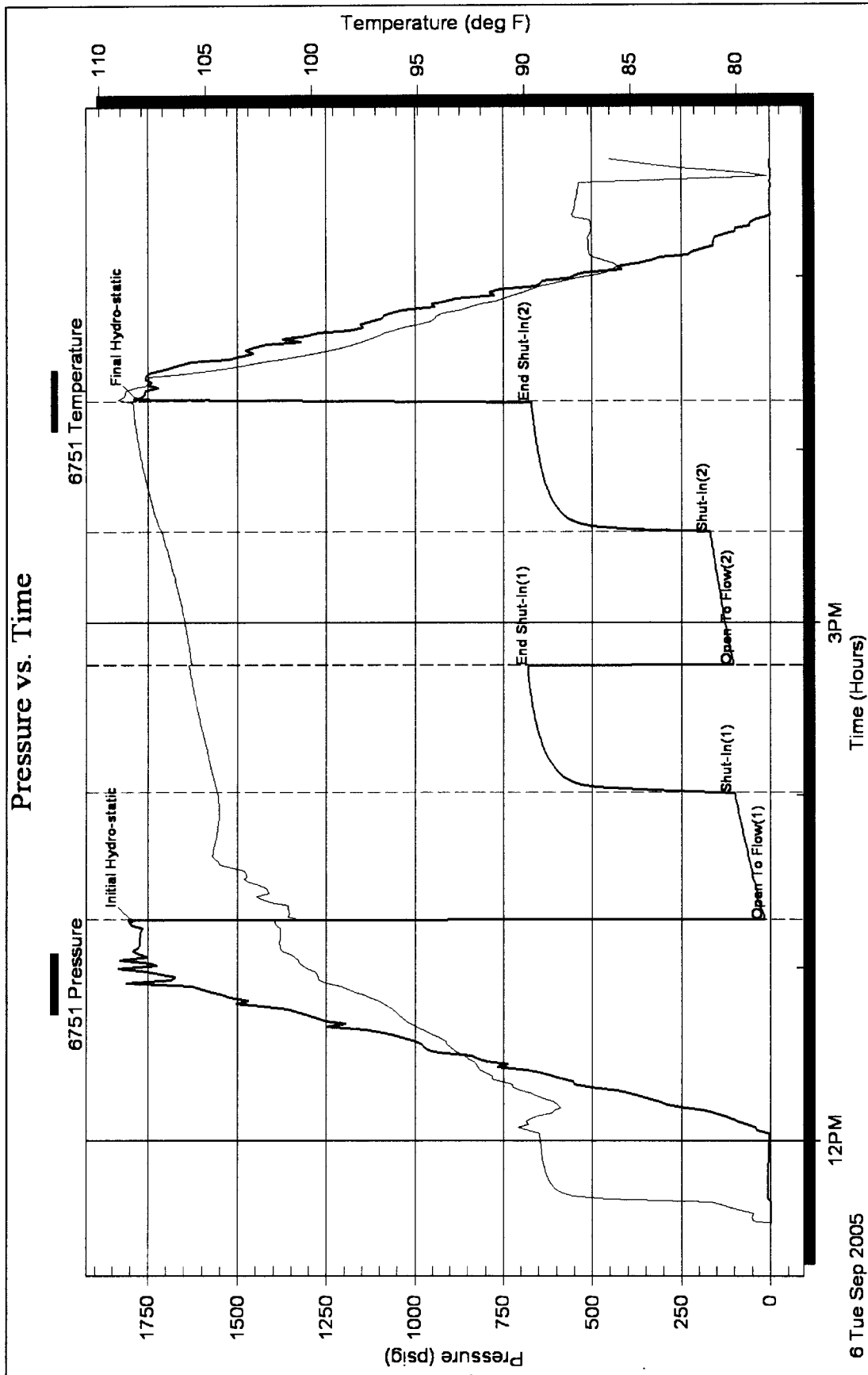
Inside

Russell Oil Co

13-10-23-Graham

DST Test Number: 1

Pressure vs. Time



6 Tue Sep 2005 12 PM

3 PM

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Capite Testing, Inc

Ref. No: 23676

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